SUREMENT BOOK

er	Dimensions: Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8

1st and final Bill

M.A.R. 57 (Rule 116)

Measurement Book No. A/11 190359

Serial No. Improvements of Roads and drains in Kodigehalli I.A.C.

Name of work Colony and Surrounding areas in Ward No. 08 Kodigehalli. From To

Name of Contractor of nature of Agency Sri. V. Senthil Kumar

Date of commencement of work BBMP/EE/BTP/WO/57/2019-20 Dt: 11.07.2019

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Est Cost Rs. 30.00 Lakhs				JOB Code 008-19-000008		
	AS: AS/CE/CYNK)/159/18-19/				Dt 08.01.2019		
	TS: TS/CE(YNK) 241/18-19				Dt 08.01.2019		
	Date of Commencement: 11-07-2019						
	Date of completion: 30-10-2019						
(1)	Dismantling of existing Structures like culverts bridges retaining walls and other Structures comprising of masonry, Cement concrete, wood work, Steel work, including T&P and Scaffolding wherever necessary Sorting the dismantled material, Disposal of unserviceable material						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	and Stacking the Serviceable material with all lifts complete as per Specifications i) Lime / Cemat concrete ; By manual means; A. Lime Concrete, Cemat grade M-10 and below Specification						
	Qty as per E-Mb page no vide P. No. 01					170.50 / Cum @ 390.00	
						Rs 66495.00	
(2)	Dismantling Size Stone masonry in Clay mortar and Stacking the Size Stone within a radius of 50m and removing the debris to a distance upto 200m including cost of materials, labour, Hom Complete as per Specifications						
	Qty as pe E.MB vide page no 01 111.60 / Sqm						
	Qty upto 125% of tender qty					80.44	@ 235.00
	Qty above 125% of tender qty					31.16	@ 234.75
						Rs	18903.00
						Rs	7315.00
							26218.00

Serial No.....

Name of work.....

Name of Contractor of nature of Agency..

Date of commencement of work.....

Date	Full description, etc, of work	N
1	2	
(3)	Excavation in marshy as per drawing and tea excavated stuff to a Stuffing wherever cost of all material MORT Chapter 12.	
	Qty As per E.MB. Vi	
	Qty upto 125	
	Qty Above 125	

MENT BOOK

Dimensions			Contents	Reference to last Measurement
ength 4	Breadth 5	Depth 6	7	8
aterial with all lifts complete as concrete ; By manual means; A. -10 and below Specification vide p. No. 01			170.50/Cum @ 390.00 Rs 66495.00	
asonry in Clay mortar and in a radius of 50m and stance upto 200m including cost mplete as per Specifications				
00 01			111.60/Sqm	
5% of tender qty			80.44 @ 235.00	
of tender qty			31.16 @ 234.75	
			Rs 18903.00 Rs 7315.00	
			26218.00	

M.A.R. 57 (Rule 116)

Measurement Book No. A/11 190360

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(13)	Excavation in marshy Soil upto 3m depth for foundations of Structures as per drawing and technical Specifications including removing the excavated stuff to a lead of 15m. including dewatering, Shoring Strutting wherever necessary watering and ramming including cost of all materials, labour, Hom Complete as per Specifications MORT Chapter 12.						
	Qty As per LEMB. Vide page No. 02					Qty 318.23/Sqm	
	Qty upto 125% of tender Qty					26.81 @878.00 Rs. 23539	
	Qty Above 125% of tender Qty					291.41 @855.75 Rs 249372	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(4)	Diversion of water course by providing cofferdams or islands as may be necessary for piers and abutments foundations, bailing out or pumping water during excavation and until completion etc complete beyond 1.50 mtrs depth upto & including 3m depth Qty as per EMB vide page No 02 @ 255.00 Rs 10379.00					40.70/Cum	
(5)	providing and filling in foundation with granite/trap boulders metal 100mm and down size @ with approved Sand including hand packing, ramming, watering, including cost of all meterials and labour with all lead and lift. Complete as per Specifications. Qty as per EMB Vide page No 02 @ 2111.00 Rs 98162.00					46.50/Cum	

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Serial No.....

Name of work.....Fro

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number
1	2	3
(6)	providing and laying in P OPC Cement 180 Kgs, with metal Coarse aggregates machine mixed, Concret thick, well compacted, i all materials, labour, Ho Specifications. Qty as per	

MEASUREMENT BOOK

Dimensions				Contents	Reference to last Measurement
Number 3	Length 4	Breadth 5	Depth 6	7	8
course by providing cofferdams or islands ory for piers and abutments foundations, ing water during excavation and until plete beyond 1.50 mtrs depth upto & including as per LIMB vide page No. 02 @ 255.00 Rs 10379.00				40.70/ Cum	
in foundation with granite/trap boulders down size & with approved Sand cking, ramming, watering, including cost and labour with all lead and lift. pecifications, MB Vide page No 02 @ 2111.00 Rs 98162.00				46.50/ Cum	

M.A.R. 57 (Rule 116)

Measurement Book No. A/11 190361

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
(6)	providing and laying in position Cement Concrete of mix 1:4:8 with OPC cement 180 kgs, with 40 mm and down size graded granite metal coarse aggregates @ 0.85 cum and fine aggregates @ 0.57 cum machine mixed Concrete laid in layers not exceeding 15 cms thick, well compacted, in foundation and plinth, including cost all materials, labour, Hire of machinery, curing complete as per Specifications as per LIMB vide Page No 02 @ 4419.52 4434.00 Rs. 128033.00 128552 128452 /-					28.97/ Cum	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(7)	Providing and removing centering, Shuttering, Struting, propping etc., and removing of form work for flat surface Such as Suspended floors, roofs, landings, balconies and Lintes, thickness above 200mm including cost of all materials, labour Complete as per Specification Qty as per EMB vide page No 03 152.00 sft @ 382.00 Rs. 58064.00						
(8)	providing and removing centering, Shuttering, Struting, propping etc., and removal of form work for vertical Surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per Specifications. Qty as per EMB vide page No. 03 Qty 223.20 sqm @ 311.00 Rs. 69415.00						
(9)	providing and laying cement Concrete using 20mm and down Size granite coarse aggregates and fine aggregates of ready mixed Concrete for RCC work laid in 15cm thick.						

M.A.R. 57 (Ru

Measurement

Serial No.....

Name of work.....From.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dim Number	Length
1	2	3	4
	and well Compacted including lead and lift etc., Complete fabrication charges) - Ready mi Staircase and Roof with M-25 Qty as per EMB vide page No 03 @ 472		
(10)	Providing TMT Steel reinfor Straightening, cutting, bendin lapping and/or welding wher wire and anchoring to the necessary complete as per Shall not be measured		

ENT BOOK

Dimensions			Contents	Reference to last Measurement
	Breadth 5	Depth 6	7	8
g, Shuttering, Strutting, Propping ore for flat Surface Such as , balconies and Likes, thickness all materials, labour Complete - EMB vide page No 03 152.00 382.00 Rs. 8064.00				
rig. Shuttering, Strutting, Propp work for Vertical Surface such luding attached pilasters, buttress ses Cost of all materials, labour Qty as per E.M.B. vide page No 11.00 Rs. 69.415.00				
Concrete using 20mm and dow ates and fine aggregates of CC work laid in 15cm thick				

M.A.R. 57 (Rule 116)

Measurement Book

No. A/11

190362

Serial No.....

From.....To.....

Name of work.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	and well compacted including vibration curing etc., lead and lift etc., complete. (Exclusive of cost of steel and fabrication charges) - Ready mixed cement Concrete for Beams, Staircase and Roof with M-25 - Qty as per E.M.B. vide page No 3					146.77/Sqmm @ 4720.00 Rs. 692766.00	692754/=
(10)	Providing TMT Steel reinforcement for RCC work including Straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (Laps, hooks and wastage Shall not be measured and paid) Cost of materials labour etc						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	of machinery complete as per Specifications.						
	Qty as per EMB vide page No 03 Qty -11.91 / Tonne						
	@ 61860.00 Rs 736753.00						
(11)	providing weep holes IS RRB M22 -8 providing weep holes in Brick masonry / plain / Reinforced concrete abutment wing wall / return wall 100 mm dia AC pipe, extending through the full width of the structure with slope of 1V: 20H towards drawing face. Complete as per drawing and Technical Specification Complete as per specification MORTH Specification Qty as per EMB vide page No 03 Qty 300.00/						
	@ 127.00 Rs. 3810.00						
						Total Amt 2163008.00	
						259561.00	
						24,22,569.00	

Clyde Dey 4/11/19

Assistant Executive Engineer,
Kodigehalli Sub Division,
Zone, B.B.M.P.

2163415
259609
2423024

GST 12%

Serial No.....

Name of work.....From.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

M.A.R. 57 (I
Measureme

Date	Full description, etc, of work	Dimensions	
		Number	Leng
1	2	3	4
	Certificate:		
	(1) Work done satisfaction		
	(2) Debries Cleagence from the		
	AE 30/10/19		
	V. Dy AEY.		

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Dimensions			Contents	Reference to last Measurement
Length 4	Breadth 5	Depth 6	7	8
as per Specifications.				
page No 03 Qty 11.91 / Tonne				
1860.00 Rs 736753.00				
RRB M 22 08-8 providing weep				
plain/reinforced concrete abutment				
00 mm dia AC pipe, extending				
the Structure with slope of 1V:				
e. Complete as per drawing and				
mplete as per specification MORTH				
E IMB vide page No 03 Qty 300.00/				
127.00 Rs. 3810.00				
Total Amt 2163008.00				
259561.00				
GST 12% 24,22,569.00				

M.A.R. 57 (R

Measurement Book No. A/11 190363

Serial No.....

Name of work.....From.....To.....

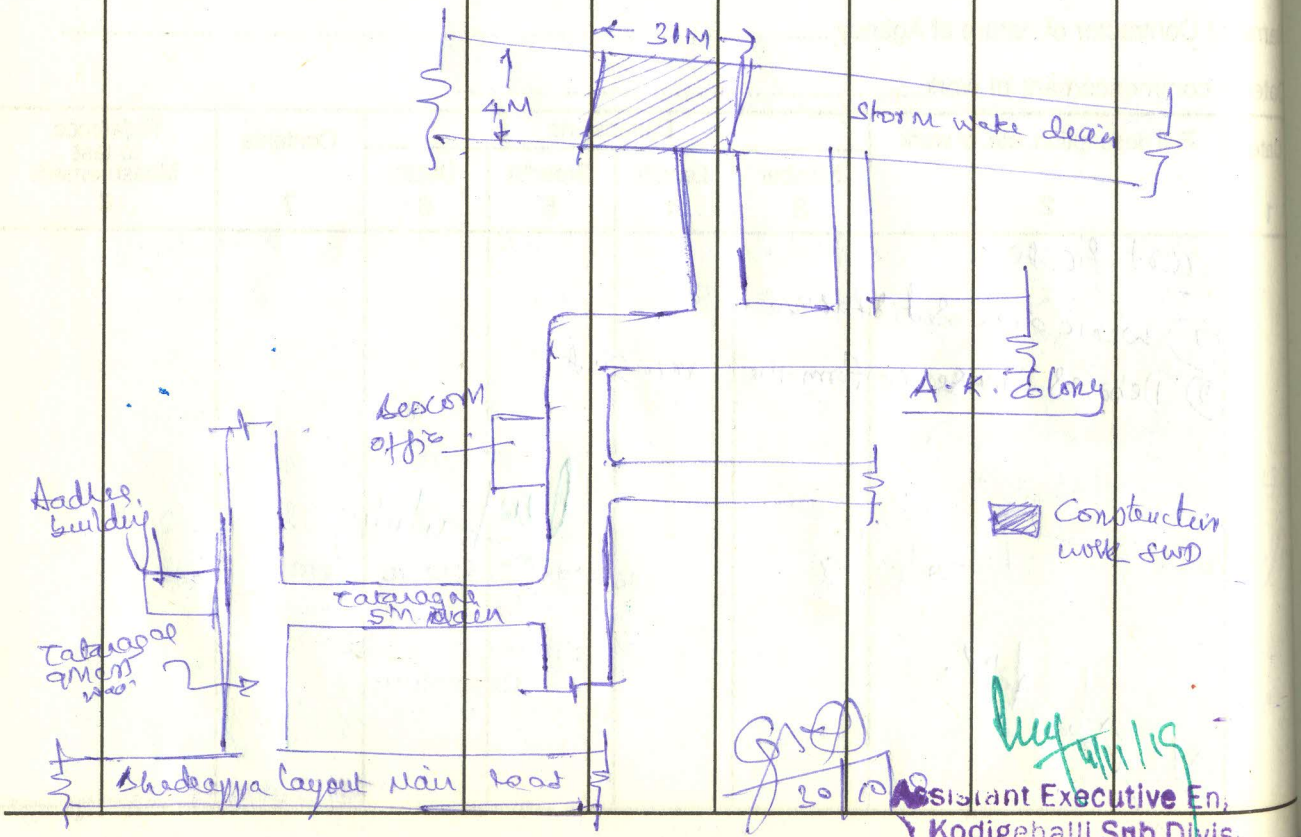
Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Certificate:						
	(1) work done satisfaction						
	(2) Debries Clearence from the work spot						
	AE 30/10/19						
	V. Anil Kumar.						
	Assistant Executive Engineer Kodigehalli Sub Division, Yelahanka Zone, B.B.M.P. Bangalore.						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8



Assistant Executive En
Kodigehalli Sub Divis
Yelahanka Zone B.B.M

1st & final

Serial No.....

Name of work.....

Name of Contractor of nature of Agency...

Date of commencement of work.....

Date	Full description, etc, of work
1	2

1st & final

ಲೆಕ್ಕಶೀರ್ಷಿಕೆ P3409 SFC

ಬಿಲ್ಲು ಮೊಬಲಗು ರೂ. 2423824/- ಗಳನ

ಇದರಲ್ಲಿ ರೂ. 237434/- ಗಳ

ಮಾಡಿಕೊಂಡು ರೂ. 2185590/-

FT/NEFT/RTGS ಮುಖಾಂತರ ಹಿಂ

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ನಿರ್ವಾಹಕರು

ಲೆಕ್ಕಾಧಿಕಾರಿಯವರು

ಬ್ಯಾಟರಾಯನಪುರ ಉಪವಿಭಾಗ

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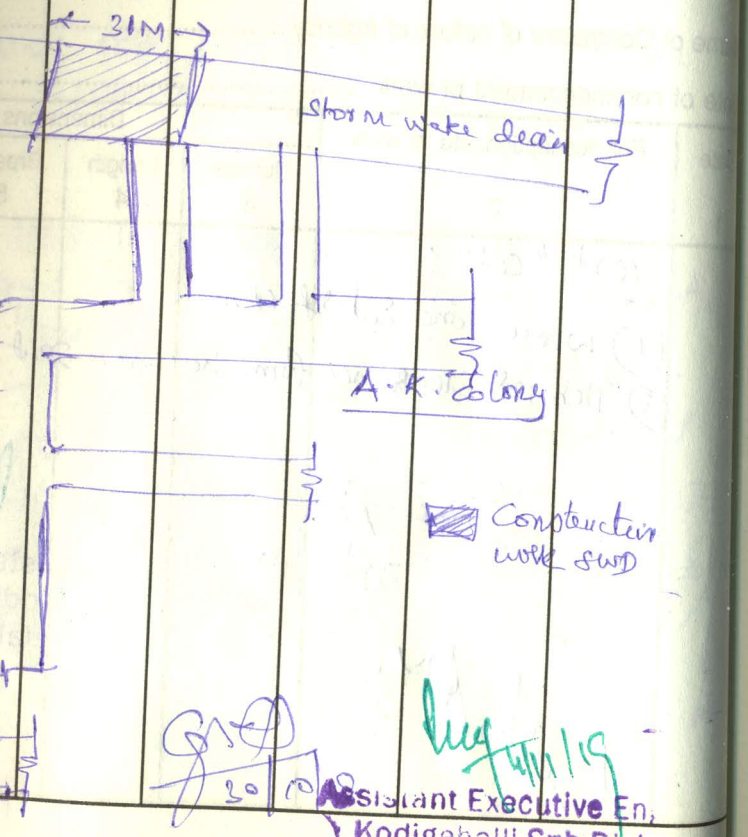
ASUREMENT BOOK

ber	Dimensions: Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	31M				



Assistant Executive En
Kodigehalli Sub Divis
Yelahanka Zone BBM

1st & final

M.A.R. 57 (Rule 116)

Measurement Book No. A/11

190364

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	1st & final						

ಲೆಕ್ಕಶೀರ್ಷಿಕೆ P3409 SFC ರಡಿ
ಬಿಲ್ಲು ಮೊಬಲಗು ರೂ. 2423024/- ಗಳನ್ನು ಪಾಸು ಮಾಡಿದೆ.
ಇದರಲ್ಲಿ ರೂ. 237434/- ಗಳನ್ನು ಹೊಂದಾಣಿಕೆ
ಮಾಡಿಕೊಂಡು ರೂ. 2185590/- ಗಳನ್ನು

FT/NEFT/RTGS ಮುಖಾಂತರ ನಿವ್ವಳ ಪಾವತಿಸಲಾಗಿದೆ

ಚೆಸ್ಕಾಂ
ವಿಷಯ ನಿರ್ವಾಹಕರು
ಲೆಕ್ಕಶೀರ್ಷಿಕೆ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ವ್ಯವಹಾರಾಯನಮೆರ ವಿಭಾಗ
ಬೃ.ಬೆ.ಮ.ಪಾ. ಬೆಂಗಳೂರು

TTB	2423024	
I+	24231	
CGST	21635	
SGST	21635	
FSD	121158	
CC	24231	
CBF	2423	
Royalty	22129	
Ded.	237434	
Cheque	2185590	